

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/035194 A3

(51) International Patent Classification⁷: **B24B 1/00**, B24D 17/00, 11/00, B32B 27/00

(21) International Application Number:
PCT/US2004/033591

(22) International Filing Date: 12 October 2004 (12.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/510,197 9 October 2003 (09.10.2003) US

(71) Applicant (*for all designated States except US*):
THOMAS WEST, INC. [US/US]; 470 Mercury Drive,
Sunnyvale, CA 94805 (US).

(72) Inventors: **WU, Guangwei**; 1063 Plymouth Drive, Sunnyvale, CA 94087 (US). **KIRTLEY, Steve**; 14702 Horseshoe Drive, Saratoga, CA 95070 (US). **WEST, Thomas, E.**; 187 Goya Road, Portolla Valley, CA 94028 (US).

(74) Agent: **WILLIAMS, Larry**; 3645 Montgomery Drive, Santa Rosa, CA 95405 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

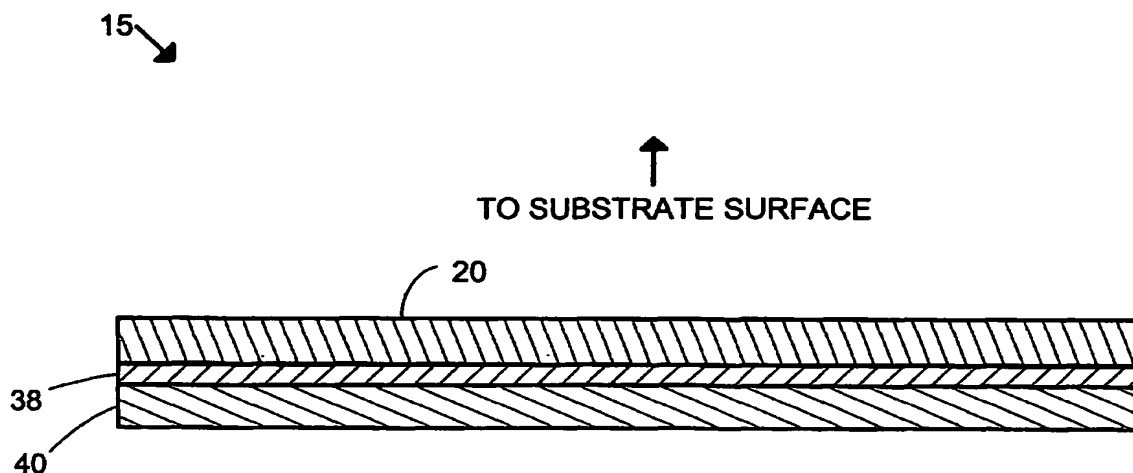
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
21 July 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: STACKED PAD AND METHOD OF USE



(57) Abstract: The following is a description of a stacked pad (15) for chemical mechanical polishing and/or planarizing substrates. In one embodiment, the stacked pad includes a top pad (20) and a subpad (40) where the modulus of the top pad (20) substantially equals the modulus of the subpad (40). Also presented are methods of using the stacked pad (15) which include methods of chemical mechanical polishing and/or planarization, and products of using the stacked pad.